PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Ralph James

Attorney Docket No.: 501292.01

Filed

: Concurrently herewith

Title

: METHOD AND SYSTEM FOR SYNCHRONIZING COMMUNICATIONS

LINKS IN A HUB-BASED MEMORY SYSTEM

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicant wishes to make known to the Patent and Trademark Office the references set forth on the attached form PTO-1449. Copies of the cited non-patent literature reference, as required under 37 C.F.R. § 1.98(a)(2), are enclosed. Copies of the cited U.S. patents and U.S. patent application publications will not be submitted herewith in accordance with the waiver by the Office of the requirement under 37 C.F.R. § 1.98(a)(2)(i) for U.S. national patent applications filed after June 30, 2003. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicant's duty to disclose all information he is aware of which is believed relevant to the examination of the above-identified application, applicant believes that his invention is patentable.

Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 09/994,516, describing and claiming subject matter that is similar to the subject matter of this application, was filed on November 26, 2001. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 10/165,787, describing and claiming subject matter that is similar to the subject matter of this application, was filed on June 7, 2002. This related application, as well as

any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 10/215,505, describing and claiming subject matter that is similar to the subject matter of this application, was filed on August 9, 2002. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 10/211,036, describing and claiming subject matter that is similar to the subject matter of this application, was filed on August 2, 2002. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 10/601,222, describing and claiming subject matter that is similar to the subject matter of this application, was filed on June 20, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 10/213,038, describing and claiming subject matter that is similar to the subject matter of this application, was filed on August 5, 2002. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 10/601,104, describing and claiming subject matter that is similar to the subject matter of this application, was filed on June 19, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 10/238,322, describing and claiming subject matter that is similar to the

subject matter of this application, was filed on September 9, 2002. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 10/232,842, describing and claiming subject matter that is similar to the subject matter of this application, was filed on August 29, 2002. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 10/601,253, describing and claiming subject matter that is similar to the subject matter of this application, was filed on June 20, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 10/232,473, describing and claiming subject matter that is similar to the subject matter of this application, was filed on August 29, 2002. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 10/601,252, describing and claiming subject matter that is similar to the subject matter of this application, was filed on June 20, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 10/222,415, describing and claiming subject matter that is similar to the subject matter of this application, was filed on August 16, 2002. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 10/222,393, describing and claiming subject matter that is similar to the subject matter of this application, was filed on August 16, 2002. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

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Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 10/690,810, describing and claiming subject matter that is similar to the subject matter of this application, was filed on October 20, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 10/645,288, describing and claiming subject matter that is similar to the subject matter of this application, was filed on August 20, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 10/644,522, describing and claiming subject matter that is similar to the subject matter of this application, was filed on August 19, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 10/660,844, describing and claiming subject matter that is similar to the subject matter of this application, was filed on September 12, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 10/651,801, describing and claiming subject matter that is similar to the subject matter of this application, was filed on August 28, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 10/665,904, describing and claiming subject matter that is similar to the subject matter of this application, was filed on September 18, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 10/653,044, describing and claiming subject matter that is similar to the subject matter of this application, was filed on August 28, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 10/695,383, describing and claiming subject matter that is similar to the subject matter of this application, was filed on October 27, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 10/460,588, describing and claiming subject matter that is similar to the subject matter of this application, was filed on June 11, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Respectfully submitted,

DORSEY & WHITNEY LLP

Edward W. Bulchis Registration No. 26,847

EWB:dms

Enclosures:

Postcard Form PTO-1449 Cited References (2) Copies of Related Applications (23)

1420 Fifth Avenue, Suite 3400 Seattle, WA 98101 Telephone (206) 903-8800 Facsimile (206) 903-8820

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FORM PTO-1449 (REV.7-80)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY. DOCKET NO. 501292.01

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APPLICATION NO. Not yet assigned

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT(S) Ralph James

FILING DATE Concurrently herewith GROUP ART UNIT Not yet assigned

	r		U.S	. PATENT DOCUMENTS			
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
·	AA	5,251,303	10/05/93	Fogg, Jr. et al.	395	275	
	AB	5,432,907	07/11/95	Picazo, Jr. et al.	395	200	
	AC	5,442,770	08/15/95	Barratt	395	403	
	AD	5,497,476	03/05/96	Oldfield et al.	395	439	
	AE	5,659,798	08/19/97	Blumrich et al.	395	846	
	AF	5,818,844	10/06/98	Singh et al.	370	463	
	AG	5,875,352	02/23/99	Gentry et al.	395	843	
	АН	6,061,263	05/09/00	Boaz et al.	365	51	
	ΑĪ	6,067,262	05/23/00	Irrinki et al.	365	201	
	LΑ	6,073,190	06/06/00	Rooney	710	56	
	AK	6,105,075	08/15/00	Ghaffari	710	5	# _ # - #
	AL	6,137,709	10/24/00	Boaz et al.	365	51	
	AM	6,144,587	11/07/00	Yoshida	365	189.05	
	AN	6,167,465	12/26/00	Parvin et al.	710	22	
	AO	6,167,486	12/26/00	Lee et al.	711	120	
	AP	6,201,724 B1	03/13/01	Ishizaki et al.	365	49	
	AQ	6,233,376 B1	05/15/01	Updegrove	385	14	
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	ΑТ	6,272,609 B1	08/07/01	Jeddeloh	711	169	
	AU	6,285,349 B1	09/04/01	Smith	345	147	
	ΑV	6,301,637 B1	10/09/01	Krull et al.	711	112	·
	AW	6,327,642 B1	12/04/01	Lee et al.	711	120	
	AX	6,330,205 B2	12/11/01	Shimizu et al.	365	230.06	
	AY	6,347,055 B1	02/12/02	Motomura	365	189.05	

* EXAMINER:

Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

FORM PTO-1449 (REV.7-80)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 501292.01

APPLICATION NO.

Not yet assigned

APPLICANT(S)

Ralph James

FILING DATE
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GROUP ART UNIT

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(Use several sheets if necessary)

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
	AZ	6,349,363 B2	02/19/02	Cai et al.		711	129			
	ВА	6,356,573 B1	03/12/02	Jonsson et al.		372	46	<u>_</u>		
	вв	6,367,074 B1	04/02/02	Bates et al.		717	11			
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	BD	6,381,190 B1	04/30/02	Shinkai		365	230.03			
	BE	6,421,744 B1	07/16/02	Morrison	et al.	710	22			
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	вн	6,463,059 B1	10/08/02	Movshovi	ch et al.	370	389	,		
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	вк	6,477,592 B1	11/05/02	Chen et al	•	710	52			
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	вм	6,477,621 B1	11/05/02	Lee et al.		711	120			
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	во	6,505,287 B2	01/07/03	Uematsu		711	170			
	BP	6,523,092 B1	02/18/03	Fanning		711	134			
	ВQ	6,523,093 B1	02/18/03	Bogin et a	1.	711	137			
	BR	6,539,490 B1	03/25/03	Forbes et a	al.	713	401			
	BS	6,552,564 B1	04/22/03	Forbes et a	al.	326	30			
	вт	6,587,912 B2	07/01/03	Leddige et	al.	711	5			
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	вw	6,622,227 B2	09/16/03	Zumkehr e	et al.	711	167			
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^{*} EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

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СВ	2003/0043426 A1	03/06/03	Baker et al.		359					
СС	2003/0229770 A1	12/11/03	Jeddeloh		711	2	13	-		
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	BX BY BZ CA CB CC CD	DOCUMENT NUMBER	### CORMATION DISCLOSURE STATEM (Use several sheets if necessary) DOCUMENT NUMBER DATE	U.S. PATENT I DOCUMENT NUMBER DATE BX 6,631,440 B2 10/07/03 Jenne et a BY 2002/0112119 A1 08/15/02 Halbert et BZ 2002/0144064 A1 10/03/02 Fanning CA 2003/0005223 A1 01/02/03 Coulson e CB 2003/0229770 A1 12/11/03 Jeddeloh FOREIGN PATEN DOCUMENT NUMBER DATE DOCUMENT NUMBER DATE CD CE CF OTHER PRIOR ART (Including Intel, "Intel 840 Chipset: 82840 Memor pp. 1-178. Micron Technology, Inc., "Synchronous	SO1292.01 APPLICANT(S) Ralph James	APPLICANT(S) Ralph James FILING DATE CONCURTENT NUMBER DATE DOCUMENT DOCUMENT DOCUMENT APPLICANT(S) Ralph James FILING DATE CONCURTENT CONCURTENT CONCURTENT DOCUMENT NAME CLA DOCUMENT NAME CLA DOCUMENT APPLICANT(S) Ralph James FILING DATE CONCURTENT CONCURTENT CONCURTENT CLA DOCUMENT APPLICANT(S) NAME CLA DOCUMENT APPLICANT(S) APPLICAN	PATENT AND TRADEMARK OFFICE S01292.01 Not you	Not yet assign Not yet assign APPLICANT(S) Ralph James FILING DATE CONCUMENTS COLASS SUBCLASS	Not yet assigned APPLICANT(S) Ralph James GROUP ART UNIT Not yet assigned APPLICANT(S) Ralph James GROUP ART UNIT Not yet assigned APPLICANT(S) Ralph James GROUP ART UNIT Not yet assigned Not yet assigned Not yet assigned	

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